

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01200

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B25J 19/00, H02G 11/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B25J, H02G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0502832 A1 (COMAU S.P.A.), 9 Sept 1992 (09.09.92), column 4, line 24 - line 40, see figures	1-6,8,10-12
Y	--	7,9
Y	DATABASE WPI WEEK 200024 DERWENT PUBLICATIONS LTD, London, GB Class P62, AN 2000-280053 & JP 2000078736 A (KOMATSU SEISAKUSHO KK) abstract	7,9
A	--	1-6,8,10-12

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

29 Sept. 2003

Date of mailing of the international search report

3.0 -09- 2003

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

Pia Eklund /itw  
Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01200

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 4105650 C1 (KABELSCHLEPP GMBH), 23 April 1992 (23.04.92), whole document --	1-12
A	US 5732599 A (Y. IRIYAMA), 31 March 1998 (31.03.98), whole document --	1-12
A	US 6189403 B1 (A. BERNINGER), 20 February 2001 (20.02.01), whole document --	1-12
A	JP 63-180493 A (TOYDA MACHINE WORKS LTD.), 25 July 1998 (25.07.98), see figures -- -----	1-12

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/01200

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
EP	0502832	A1	09/09/92	SE 0502832 T3	
				AT 111797 T	15/10/94
				DE 69200421 D,T	19/01/95
				ES 2061330 T	01/12/94
				IT 223218 Z	13/06/95
				IT 1245433 B	20/09/94
				IT T0910150 D,V	26/06/91
				JP 5077192 A	30/03/93
				US 5178031 A	12/01/93
-----					
DE	4105650	C1	23/04/92	NONE	
-----					
US	5732599	A	31/03/98	JP 9057680 A	04/03/97
-----					
US	6189403	B1	20/02/01	DE 19817607 A	21/10/99
				DE 59901037 D	00/00/00
				EP 0950477 A,B	20/10/99
				SE 0950477 T3	
-----					